

INTERNATIONAL SEARCH REPORT

PCT/PTO 21 APR 2004

10/532371

PCT/EP 03/11649

A. CLASSIFICATION OF SUBJECT MATTER		
IPC 7	C07D295/18 A61K31/496 A61P25/00 C07D295/22 C07D243/08 C07D213/74 C07D239/42 C07D239/46 C07D237/20 C07D215/46 C07D277/82 C07D241/08 C07D213/85 C07D487/08 C07D401/04	
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols) IPC 7 C07D A61K A61P		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, BEILSTEIN Data, CHEM ABS Data, BIOSIS, EMBASE		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 02/076925 A (BEAVERS LISA SELSAM ; SCHAUS JOHN MEHNERT (US); WATSON BRIAN MORGAN) 3 October 2002 (2002-10-03) see claim 7, e.g. compound 155	1-8
Y	WO 02/12190 A (ORTHO MCNEIL PHARM INC) 14 February 2002 (2002-02-14) claim 1; example 76	1-8
A	WO 00/06254 A (SCHUNACK WALTER G ; SIGURD ELZ (DE); STARK HOLGER (DE); BIOPROJET S) 10 February 2000 (2000-02-10) claim 16	1-8
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
Date of the actual completion of the international search 4 February 2004		Date of mailing of the international search report 18. 03. 2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Steendijk, M

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national application No.
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Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-8 (part)

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-8(part)

Compounds of formula (I) in which R1 represents groups (A) or (F) (carbonyl bound saturated N-linked heterocycle with two nitrogen atoms)

2. claims: 1-8(part)

Compounds of formula (I) in which R1 represents group (B) (sulfonyl bound N-linked-heterocycle)

3. claims: 1-8(part)

Compounds of formula (I) in which R1 represents groups (C) or (D) (carbonyl bound saturated N-linked heterocycle with one nitrogen atom)

4. claims: 1-8(part)

Compounds of formula (I) in which R1 represents groups (E) (carbonyl bound spiro-fused N-linked heterocycle)

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/EP 03/11649

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 02076925	A	03-10-2002	CA 2441080 A1	03-10-2002
			EP 1379493 A2	14-01-2004
			WO 02076925 A2	03-10-2002

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			EP 1311482 A2	21-05-2003
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			EP 0982300 A2	01-03-2000
			AU 5511999 A	21-02-2000
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			WO 0006254 A2	10-02-2000
			EP 1100503 A2	23-05-2001
			JP 2002521463 T	16-07-2002
